

NTCCTAB Macro - Printer Escape-Character Control Table

The macro NTCCTAB is used to set up a table of printer-control sequences, which is used for printing additional reports and hardcopies.

- It is possible to either translate Natural field attributes into escape sequences or specify special characters to be translated into escape sequences.
- In addition, strings can be specified which are always sent as the first output record after an open operation or as the last output record before a close operation.
- This means that by using the right profile name, you can activate your printout either in portrait mode or in landscape. Then you can use all print features of this device by using simple attributes in Natural. This makes even bar-code printing or double-height printing possible.
- NTCCTAB defines tables which are used to recognize special characters in output fields and replace them with the defined control sequences. The macro also defines the Natural attributes which are used to insert the defined control sequences.

This document covers the following topics:

- NTCCTAB Syntax
 - String Syntax for CODE, CS, CCS or CSE
 - Proportional Fonts
 - Example of NTCCTAB Macro
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NTCCTAB Syntax

The NTCCTAB macro can be specified in three variants:

1. Variant

`NTCCTAB name, OPN='xxxxx',CLS='yyyyy'`

Where

name is the name of the profile form, that is, the `DEFINE PRINTER (n) OUTPUT 'nnnnn' PROFILE 'name'`, which is required and which has a maximum length of 8 bytes.

OPN='xxxxx' is optional and defines a data string (up to 250 bytes) which is sent to the printer with each open operation.

CLS='yyyyy' is optional and defines a data string (up to 250 bytes) which is sent to the printer before each close operation.

2. Variant

`NTCCTAB name, CODE='n', CS='xxxx'`

Where

CODE='n' is a character which is recognized by Natural once it appears in the output string.

CS='xxxx' is the string to replace the CODE character.

3. Variant

NTCCTAB *name*, ATR='nnnn', CSS='xxxx', CSE='yyyy'

Where

ATR='nnnn' is the Natural internal field attribut. The name is defined by the macro' is the string (up to 20 bytes) which is inserted before the field. Cro NAMATR.

CSS='xxxx' SS is mandatory.

CSE='yyyy' is the string (up to 20 bytes) which is inserted after the field. CSE is mandatory.

String Syntax for CODE, CS, CCS or CSE

If the string for CODE, CS, CSS or CSE is enclosed in apostrophes, it represents a character string; if not, it represents a hexadecimal string.

Proportional Fonts

If you use proportional fonts, be sure to return to a fixed-spacing font before using tables where you need correct positioning.

Example of NTCCTAB Macro

```
NTCCTAB DBCST
NTCCTAB CODE=OE,CS=400E
NTCCTAB CODE=OF,CS=0F40
NTCCTAB ATR=P5DBCS,CSS=OE,CSE=OF
*
NTCCTAB TEST,OPN='FIRST LINE MESSAGE',CLS='LAST LINE MESSAGE'
NTCCTAB CODE='<',CS=' B(SOB'
NTCCTAB CODE='>',CS='B(S3B '
NTCCTAB CODE='( ',CS=' B(S1S'
NTCCTAB CODE=' )',CS='B(SOS '
NTCCTAB ATR=P2UL,CSS=' B&&DD',CSE='B&&DS'
NTCCTAB ATR=P2UL,CSS=405FF1C25084C4,CSE=5FF1C250847C
NTCCTAB ATR=P2ITAL,CSS=' B(S1S',CSE='B(SOS'
NTCCTAB ATR=P1HIGH,CSS=' B(S3B',CSE='B(SOB'
NTCCTAB ATR=P2RVID,CSS=' B(S-3B',CSE='B(SOB'
```